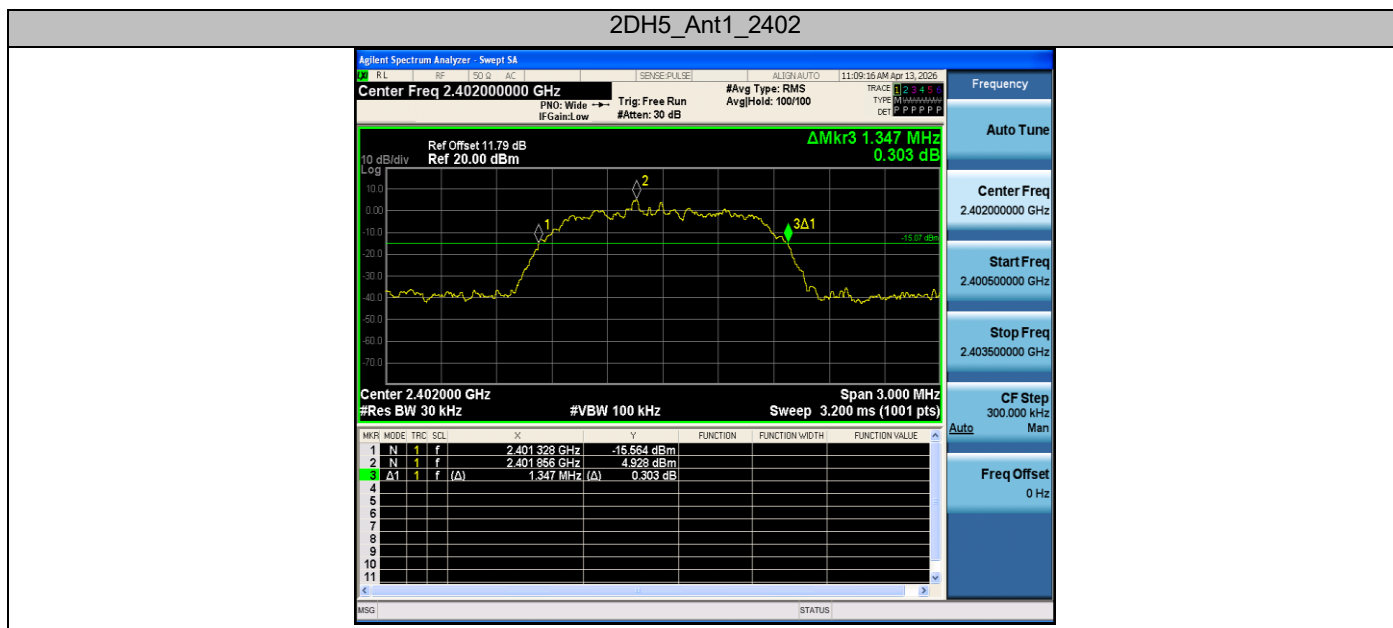


Variant spot check data

20dB Emission Bandwidth

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2DH5	Ant1	2402	1.347	2401.328	2402.675	---	---

Test Graphs



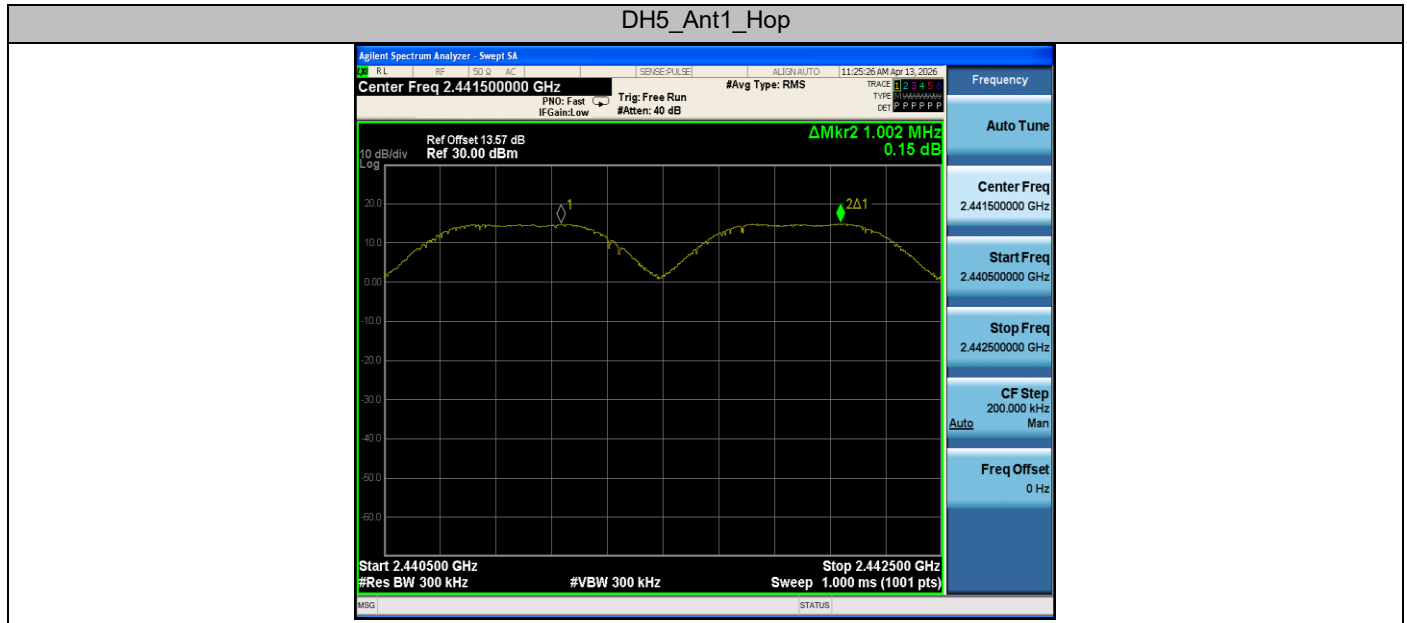
Maximum conducted output power

Bluetooth	Mode	Channel	Frequency (MHz)	Peak Power (dBm)	Limit (dBm)
	DH5	0	2402	13.66	30.00
		39	2441	13.60	30.00
		78	2480	14.44	30.00

Carrier frequency separation

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥0.025	PASS

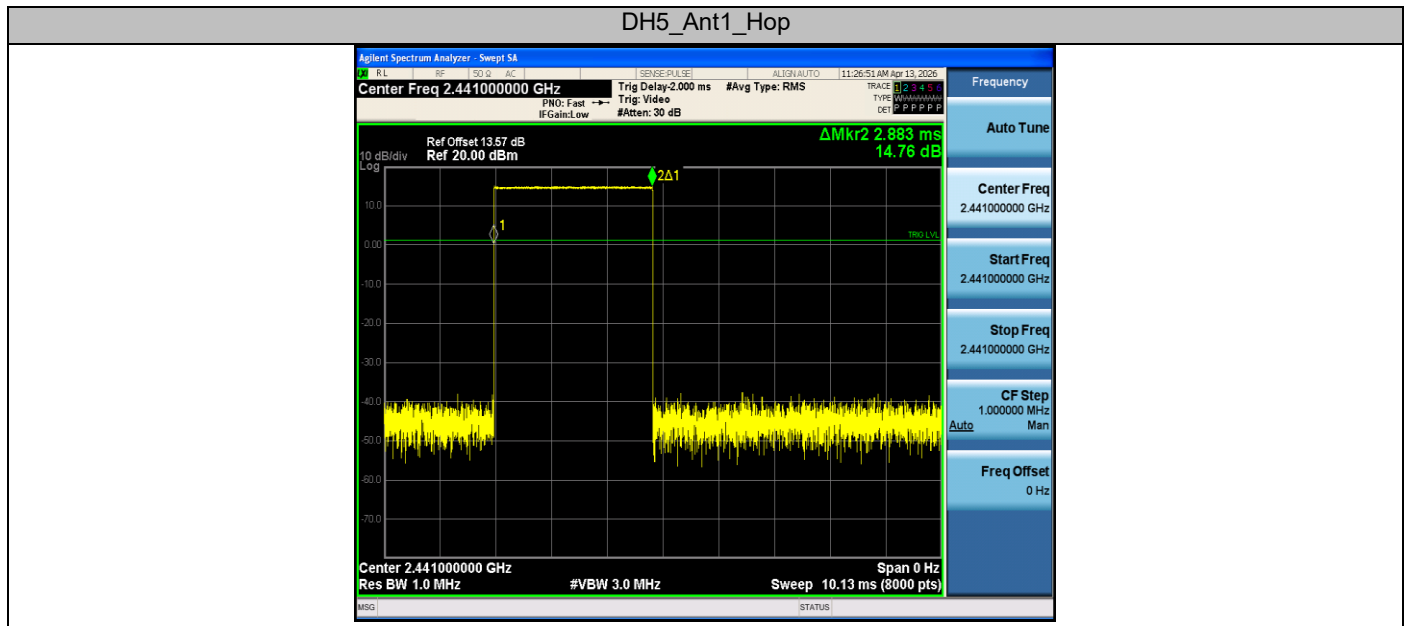
Test Graphs



Time of occupancy

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.883	106.67	0.308	≤0.4	PASS

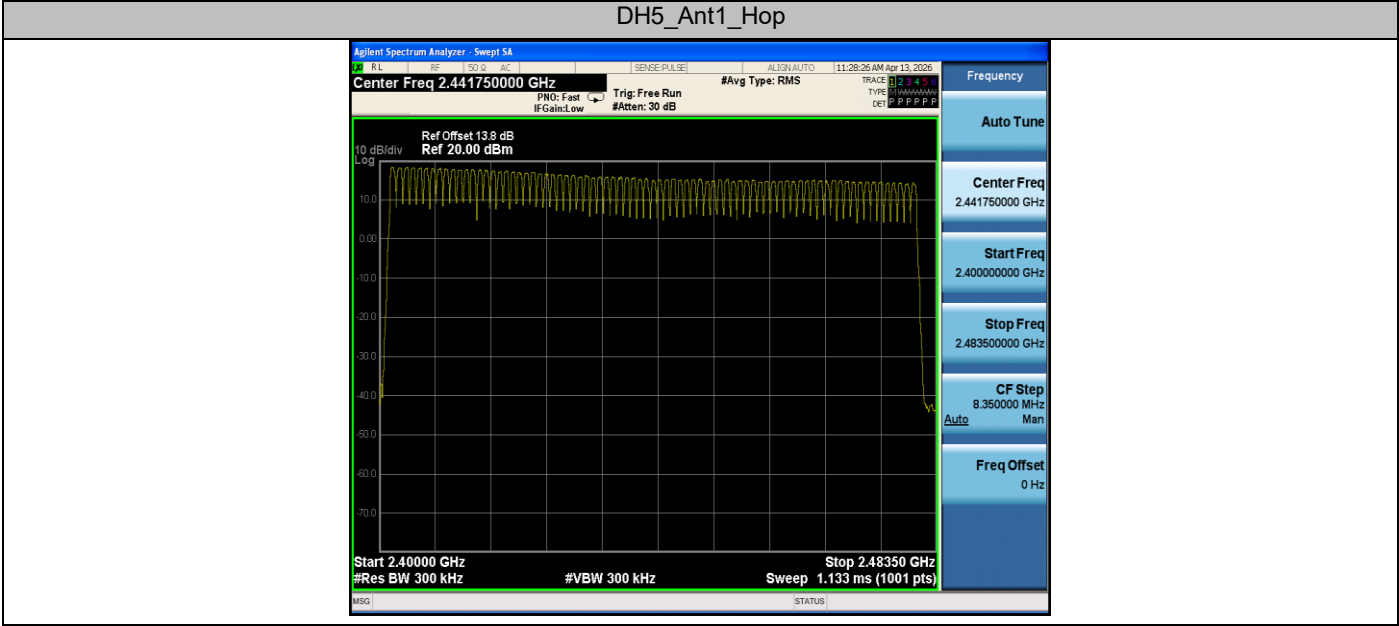
Test Graphs



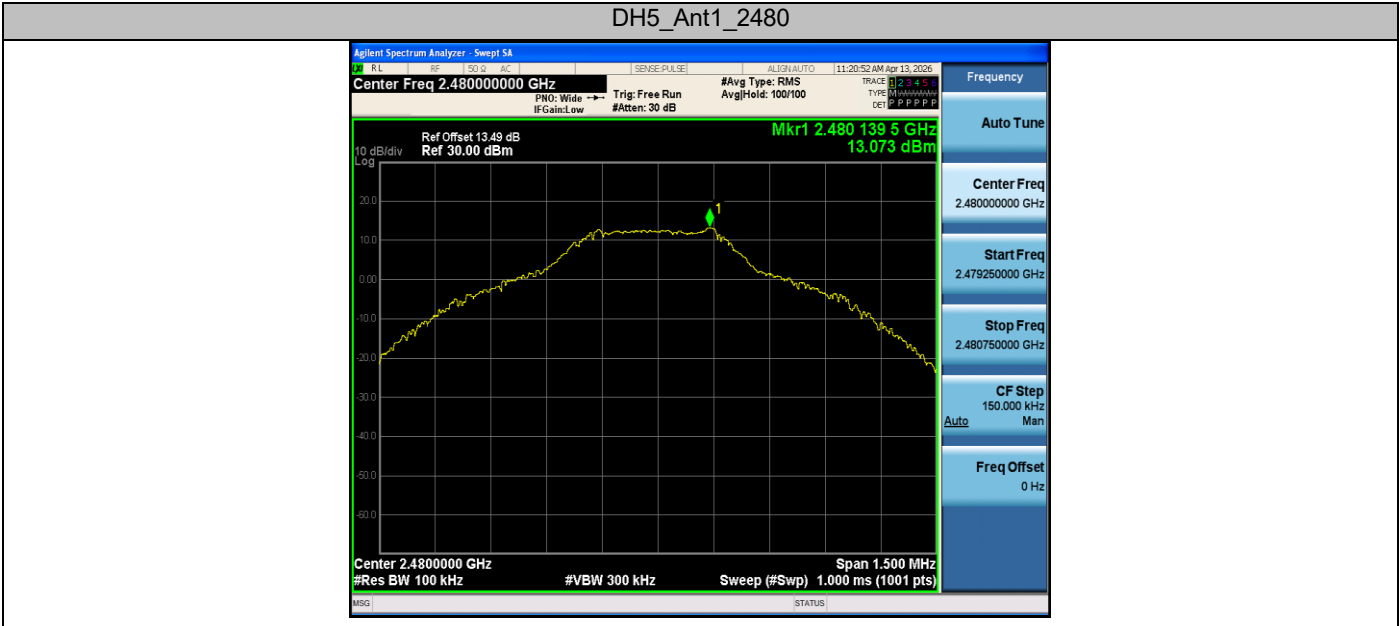
Number of hopping channels

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS

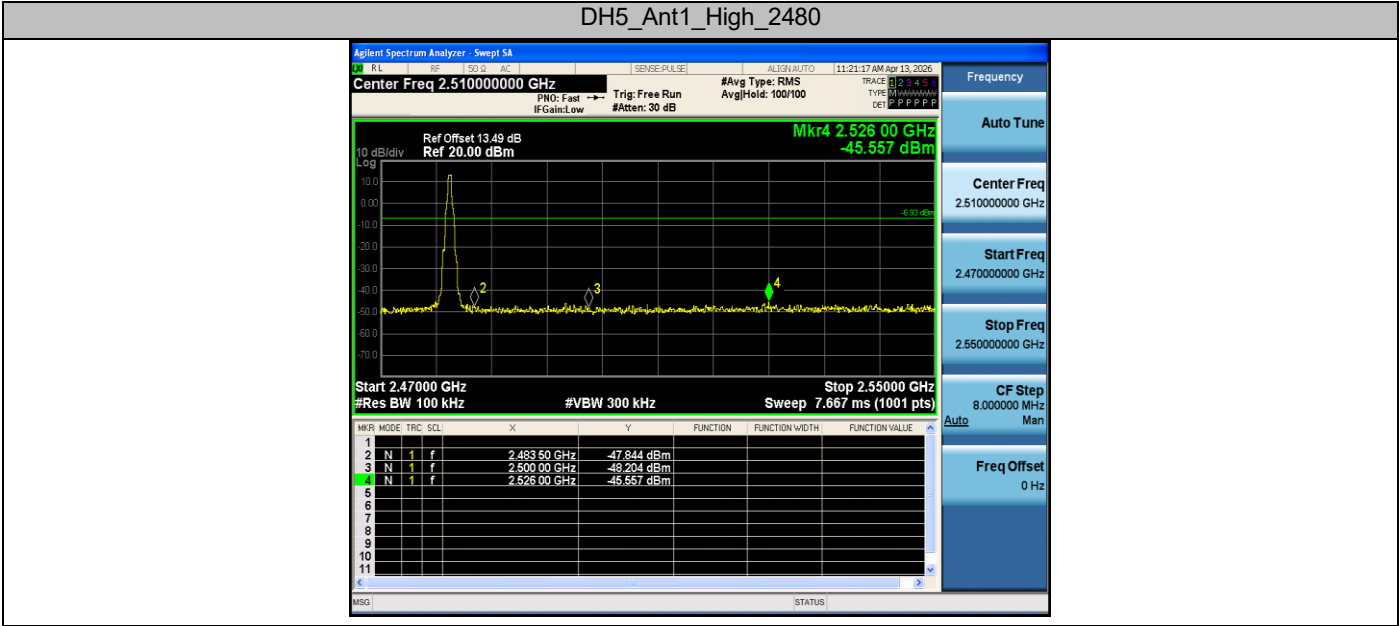
Test Graphs



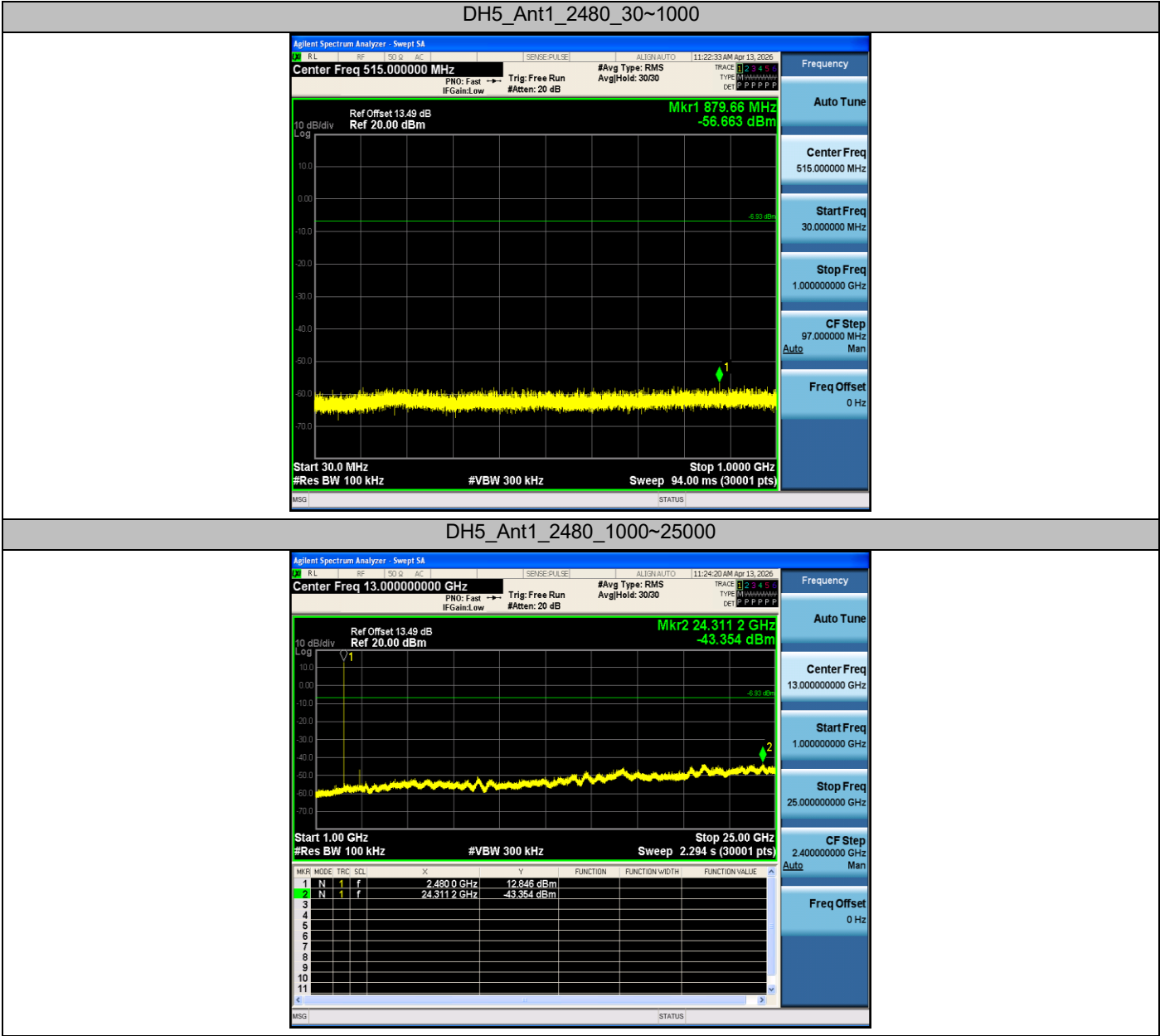
Conducted Spurious Emission
Test Graphs for Reference level



Test Graphs for Band edge



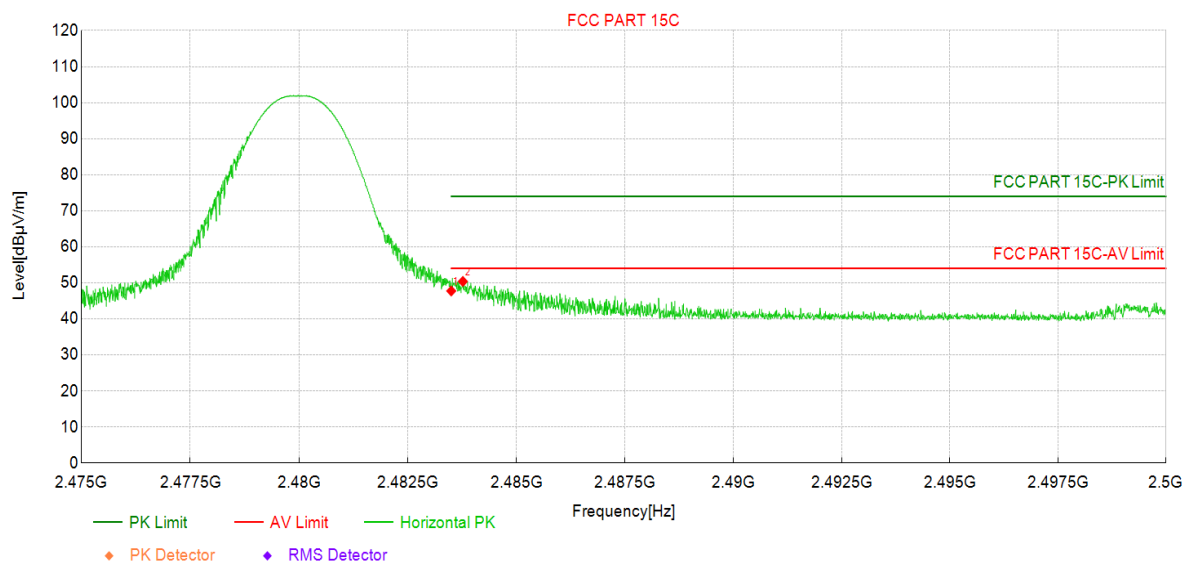
Test Graphs for Spurious Emission



Band edge measurements

Transmit at 2480MHz by DH5

Test Graph

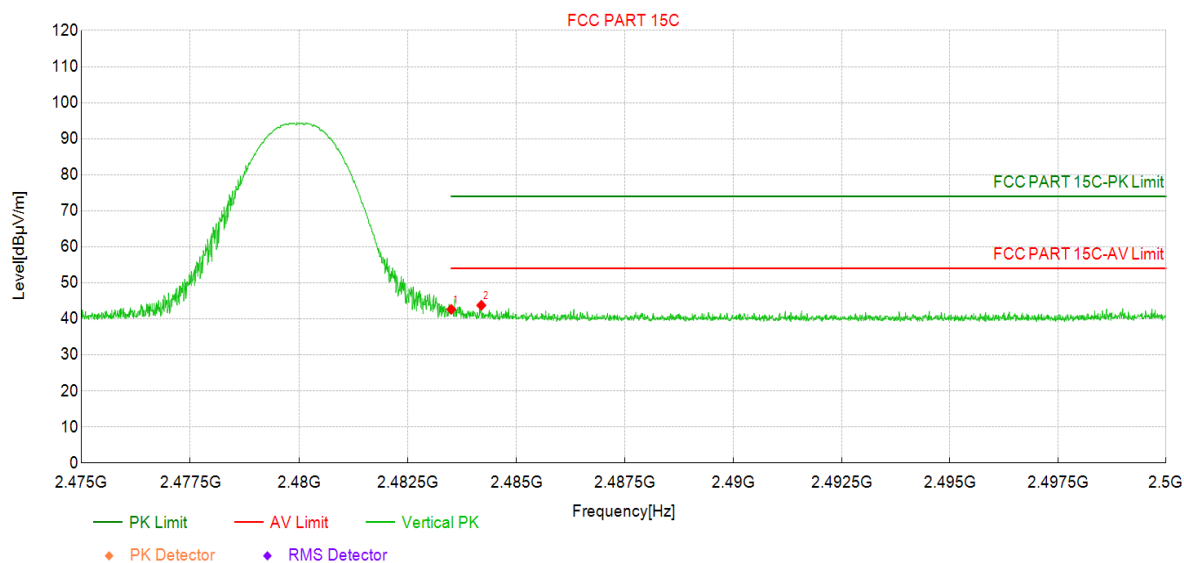


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	47.70	47.75	0.10	74.00	26.25	PK	Horizo	PASS
2	2483.77	50.30	50.40	0.10	74.00	23.60	PK	Horizo	PASS

Transmit at 2480MHz by DH5

Test Graph



Data List

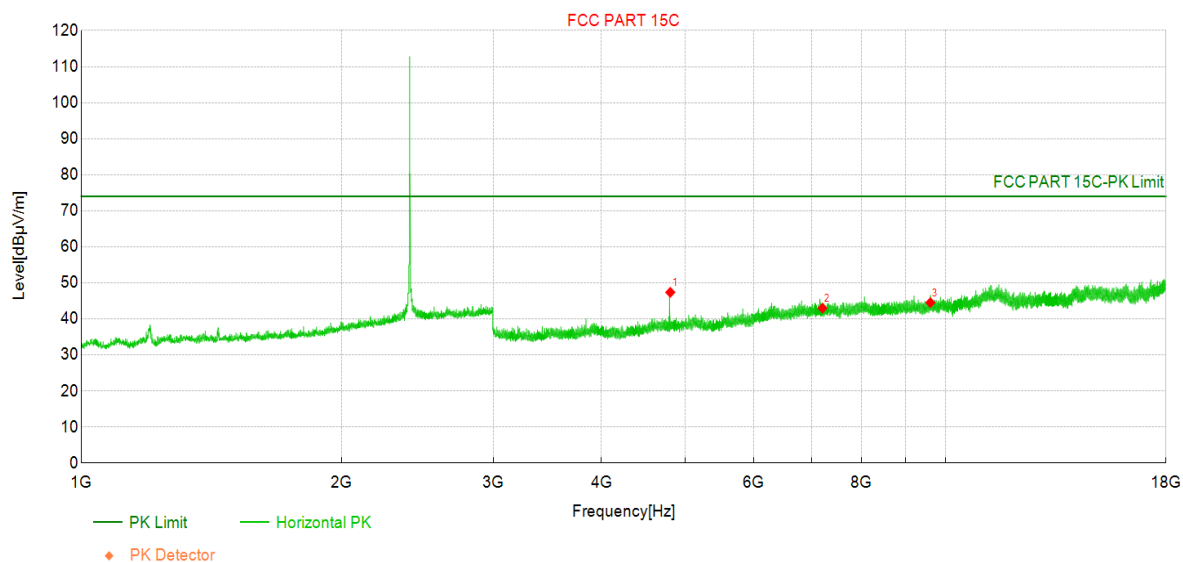
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	42.50	42.63	0.10	74.00	31.37	PK	Vertic	PASS
2	2484.19	43.70	43.76	0.10	74.00	30.24	PK	Vertic	PASS

Note: Level = Reading + Factor (Antenna factor + Amplifier factor + Cable loss)

Emissions in Restricted Bands

Transmit at 2402MHz by DH5

Test Graph

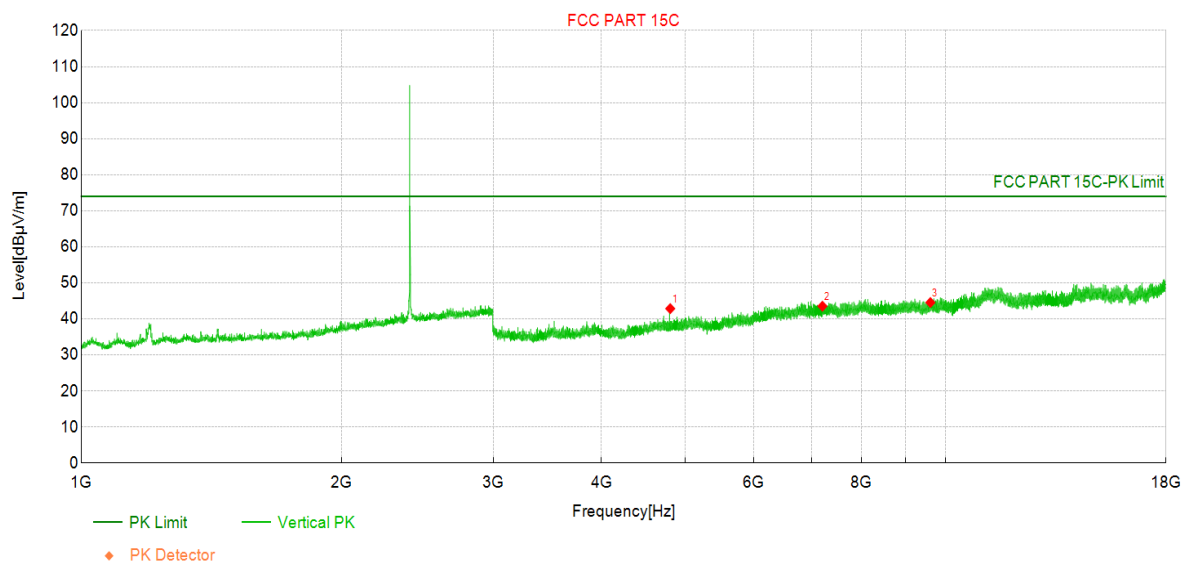


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.41	56.30	47.37	-8.96	74.00	26.63	PK	Horizo	PASS
	4804.41	-	22.58	-	54.00	31.42	AV	Horizo	PASS
2	7206.00	45.10	42.99	-2.13	74.00	31.01	PK	Horizo	PASS
	7206.00	-	18.20	-	54.00	35.80	AV	Horizo	PASS
3	9608.00	43.80	44.52	0.76	74.00	29.48	PK	Horizo	PASS
	9608.00	-	19.73	-	54.00	34.27	AV	Horizo	PASS

Transmit at 2402MHz by DH5

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	51.80	42.85	-8.96	74.00	31.15	PK	Vertic	PASS
	4804.00	-	18.06	-	54.00	35.94	AV	Vertic	PASS
2	7206.00	45.70	43.52	-2.13	74.00	30.48	PK	Vertic	PASS
	7206.00	-	18.73	-	54.00	35.27	AV	Vertic	PASS
3	9608.00	43.80	44.54	0.76	74.00	29.46	PK	Vertic	PASS
	9608.00	-	19.75	-	54.00	34.25	AV	Vertic	PASS

Note: Level = Reading + Factor (Antenna factor + Amplifier factor + Cable loss)

Cross Reference Table

Reference Device			Variant Device					
FCC ID: 2AWWH-CINSABTA			FCC ID: 2AWWH-CINSACHA					
Rule Part	Test item	Data Referencing	Comments	VdB	RdB	Limit	ddB	ddB Limit
FCC 15.247(a)(1)	20dB Emission Bandwidth	Y	Pointer to full test exhibit	1.35 MHz	1.35 MHz	within frequency range	0.00	≤3dB
FCC 15.247(b)(1)	Maximum conducted output power	Y		14.44 dBm	14.88 dBm	30dBm	-0.44	≤3dB
FCC 15.247(a)(1)	Carrier Frequency Separation	Y		1.002 dB	1.098 dB	See Note c ²⁾	-0.10	≤3dB
FCC 15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Y		0.308S	0.308S	0.4S	0.00	≤3dB
FCC 15.247(a)(1)(iii)	Number of Hopping Frequencies	Y		79	79	>15	0.00	≤3dB
FCC 15.247(d)	Conducted Spurious Emission	Y		13.07 dBm/100k Hz	14.88 dBm/100k Hz	20dBc ²⁾	-1.81	≤3dB
FCC 15.247(d), FCC 15.209	Emissions Band edge	Y		50.40 (dBμV/m)	55.20 (dBμV/m)	74 (dBμV/m)	-4.80	≤3dB
FCC 15.247(b)(3)	Emissions in Restricted Bands	Y		47.37 (dBμV/m)	48.41 (dBμV/m)	74 (dBμV/m)	-1.04	≤3dB
FCC 15.207	AC Power Line Conducted Emission	N	Refresh test	N/A	N/A	N/A	N/A	N/A
Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc). Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc). Note 3: Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel. Note 4: Based on the original DEKRA report 2610076R.702B, the product has changed the DDR model and removed the secondary camera preISP and I2C resistors. The product has been changed from dual cameras to a single camera, with no changes to the RF module and RF circuit. According to technical evaluation, only spot check verification was performed on the product under worse case conditions. For relevant test data, please refer to DEKRA report 2610076R.702B.								

The End